*Forest Ecology and Management*, 50 (1992) 359–360
Elsevier Science Publishers B.V., Amsterdam



# Contents of *Forest Ecology and Management*, Volume 50

**VOL. 50 NOS. 1–2** **JULY 15th 1992**

Ecology of a key African multipurpose tree species, *Balanites aegyptiaca* (Balanitaceae): the state-of-knowledge
J.B. Hall (Bangor, UK) ..... 1
Carbon storage potential of short rotation tropical tree plantations
P. Schroeder (Corvallis, OR, USA) ..... 31
Promotion of flowering in Engelmann-white spruce seed orchards by $GA_{4/7}$ stem injection: effects of site, clonal fecundity, girdling and NAA, and treatment carry-over effects
S.D. Ross (Victoria, B.C., Canada) ..... 43
Comparative effects of aerial and ground logging on soil properties in a tupelo-cypress wetland
W.M. Aust (Blacksburg, VA, USA) and R. Lea (Raleigh, NC, USA) ..... 57
Sheep grazing effects on coastal Douglas fir forest growth: a ten-year perspective
S.H. Sharrow, W.C. Leininger and K.A. Osman (Corvallis, OR, USA) ..... 75
An economic comparison of black spruce and jack pine tree improvement
D. McKenney (Sault Ste. Marie, Ont., Canada), G. Fox and W. van Vuuren (Guelph, Ont., Canada) ..... 85
Leaf litter decomposition and carbon dioxide evolution of some agroforestry fallow species in southern Nigeria
A.I. Okeke and C.P.E. Omaliko (Nsukka, Nigeria) ..... 103
Comparison of three sampling schemes for estimating frequency and $D^2H$ by diameter class — a simulation study
H.T. Schreuder, M. Williams (Fort Collins, CO, USA) and J.C. Rennie (Knoxville, TN, USA) ..... 117
Differences in Monterey pine pest populations in urban and natural forests
D.J. Nowak (Syracuse, NY, USA) and J.R. McBride (Berkeley, CA, USA) ..... 133
Height growth loss in Scots pine infested by the pine resin gall moth, *Retinia resinella* (Lepidoptera: Tortricidae)
R. Väisänen (Helsinki, Finland), K. Heliövaara (Vantaa, Finland) and E. Kemppi (Rovaniemi, Finland) ..... 145
Genetic strategies for reforestation in the face of global climate change
F.T. Ledig (Berkeley, CA, USA) and J.H. Kitzmiller (Chico, CA, USA) ..... 153
Some organizing principles in the valuation of tropical forests
R. Godoy (Cambridge, MA, USA) ..... 171

**VOL. 50 NOS. 3–4** **JULY 30th 1992**

Litter production and decomposition dynamics in moist deciduous forests of the Western Ghats in Peninsular India
B. Mohan Kumar and J.K. Deepu (Thrissur, India) ..... 181
Evapotranspiration and growth of two contrasting species of eucalypts under non-limiting and limiting water availability
J.L. Honeysett, C.L. Beadle and C.R.A. Turnbull (Hobart, Australia) ..... 203
Soil denitrification rates in a subalpine watershed of the eastern Sierra Nevada
R.F. Walker, S.E. Hixson and C.M. Skau (Reno, NV, USA) ..... 217
Water use in thinned loblolly pine plantations
W.R. Stogsdill, Jr. (Arkadelphia, AR, USA), R.F. Wittwer, T.C. Hennessey (Stillwater, OK, USA) and P.M. Dougherty (Research Triangle Park, NC, USA) ..... 233
The effect of weevil and fungal attacks on the germination of *Quercus robur* acorns
C. Andersson (Uppsala, Sweden) ..... 247
Changes in microclimate after stand conversion in two northern hardwood stands
H.O. Liechty, D.D. Reed, G.D. Mroz (Houghton, MI, USA) and M.J. Holmes (Durham, NH, USA) ..... 253
Dry matter production, chlorophyll, protein contents and foliar nutrient concentration in *Peltophorum ferrugineum* and *Albizia lebbeck* under nursery conditions
D. Kannan and K. Paliwal (Madurai, India) ..... 265
Correlations of growth and form characteristics of *Eucalyptus camaldulensis* Dehnh. provenances in northern Nigeria
G.O. Otegbeye and I. Samarawira (Zaria, Nigeria) ..... 275
Bud activity of decapitated, nursery-grown plants of *Triplochiton scleroxylon* in Nigeria: effects of light, temperature and humidity
D.O. Ladipo, R.R.B. Leakey and J. Grace (Penicuik, UK) ..... 287
The relationship between cavity-nesting birds and snags on clearcuts in western Oregon
B. Schreiber and D.S. deCalesta (Corvallis, OR, USA) ..... 299
Effects of bark girdling on carbohydrate supply and resistance of loblolly pine to southern pine beetle (*Dendroctonus frontalis* Zimm.) attack
J.P. Dunn and P.L. Lorio, Jr. (Pineville, LA, USA) ..... 317
Biomass distribution and productivity of *Pinus edulis–Juniperus monosperma* woodlands of north-central Arizona
C.C. Grier, K.J. Elliott and D.G. McCullough (Flagstaff, AZ, USA) ..... 331

**Author Index** ..... 351

**Subject Index** ..... 355

**Contents of *Forest Ecology and Management*, Volume 50** ..... 359